Similar Concave Polygon Investigation:

Design and display 2 similar polygons on graph paper.

* The polygons must have more than five sides and must be concave.
* Indicate the lengths of all of the sides (in *simplest radical form* when not a rational number) and indicate the measures of all of the angles. Our protractors are very limited instruments in terms of accuracy; use your knowledge of convex polygons to ensure that your figures’ angles make sense.
* Other information to be included:

1. the number of sides and the official name of the polygons

2. sum of the interior angles of the polygons

3. the ratio of similitude

* Include anything else on your project that you might discover or that you find interesting.

In addition to mathematical accuracy, your project will be graded on appearance – including neatness, the use of color, and the amount of creativity displayed.

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